

ABSTRACT OF THE DISCLOSURE

A method of using DOCSIS 1.1 features to allow the addition of ISPs and QOS levels to a single cable modem without having to modify the CMTS is described in the various figures. Instead of using the SID of a data packet to
5 determine the VPN tag of a data packet (DOCSIS 1.0), a service flow is used to identify the appropriate tag. This is done using the DOCSIS 1.1 configuration file. By doing so, the need for creating additional sub-interfaces in the cable modem interface does not arise. Instead, the configuration is modified at the provisioning server, i.e., the DHCP/TFTP server.

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